

# Julian A Pearce

## List of Publications by Year in descending order

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64  
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65  
docs citations

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times ranked

7489  
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#	ARTICLE	IF	CITATIONS
1	Magma Source Evolution Following Subduction Initiation: Evidence From the Element Concentrations, Stable Isotope Ratios, and Water Contents of Volcanic Glasses From the Bonin Forearc (IODP Expedition 352). <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009054.	2.5	22
2	Magmatic Response to Subduction Initiation, Part II: Boninites and Related Rocks of the Izu-Bonin Arc From IODP Expedition 352. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, .	2.5	52
3	Boninites. , 2021, , 113-129.		6
4	LIP printing: Use of immobile element proxies to characterize Large Igneous Provinces in the geologic record. <i>Lithos</i> , 2021, 392-393, 106068.	1.4	64
5	Mineral compositions and thermobarometry of basalts and boninites recovered during IODP Expedition 352 to the Bonin forearc. <i>American Mineralogist</i> , 2020, 105, 1490-1507.	1.9	26
6	Identification, classification, and interpretation of boninites from Anthropocene to Eoarchean using Si-Mg-Ti systematics. , 2019, 15, 1008-1037.		121
7	Radiogenic isotopes document the start of subduction in the Western Pacific. <i>Earth and Planetary Science Letters</i> , 2019, 518, 197-210.	4.4	90
8	How to Create New Subduction Zones: A Global Perspective. <i>Oceanography</i> , 2019, 32, 160-174.	1.0	41
9	Magmatic Response to Subduction Initiation: Part 1. Forearc Basalts of the Izu-Bonin Arc From IODP Expedition 352. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 314-338.	2.5	113
10	Forearc ages reveal extensive short-lived and rapid seafloor spreading following subduction initiation. <i>Earth and Planetary Science Letters</i> , 2019, 506, 520-529.	4.4	148
11	Evolution of nascent mantle wedges during subduction initiation: Li-O isotopic evidence from the Luobusa ophiolite, Tibet. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 35-58.	3.9	27
12	Subduction initiation and ophiolite crust: new insights from IODP drilling. <i>International Geology Review</i> , 2017, 59, 1439-1450.	2.1	145
13	Trace Element and Isotope Geochemistry of the Northern and Central Tongan Islands with an Emphasis on the Genesis of High Nb/Ta Signatures at the Northern Volcanoes of Tafahi and Niuatoputapu. <i>Journal of Petrology</i> , 2017, 58, 1073-1106.	2.8	24
14	FORE-ARC BASALT TO BONINITE MAGMATISM: CHARACTERIZING THE TRANSITION FROM DECOMPRESSION TO FLUID FLUX MELTING AFTER SUBDUCTION INITIATION. , 2017, , .		2
15	Probing the Troodos Ophiolite: IGCP649 Workshop and Field Excursion Held in Agros-Cyprus. <i>Acta Geologica Sinica</i> , 2016, 90, 1041-1044.	1.4	5
16	Geochemical Fingerprinting of the Earth's Oldest Rocks. <i>Geology</i> , 2014, 42, 175-176.	4.4	65
17	A variably enriched mantle wedge and contrasting melt types during arc stages following subduction initiation in Fiji and Tonga, southwest Pacific. <i>Earth and Planetary Science Letters</i> , 2012, 335-336, 180-194.	4.4	66
18	Mantle flow, volatiles, slab-surface temperatures and melting dynamics in the north Tonga arc-Lau back-arc basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18

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19	Hf-Nd isotope variation in Mariana Trough basalts: The importance of the ambient mantle in the interpretation of subduction zone magmas. <i>Geology</i> , 2012, 40, 539-542.	4.4	64
20	Geochronology, geochemistry and petrogenesis of rhyodacite lavas in eastern Jamaica: A new adakite subgroup analogous to early Archaean continental crust?. <i>Chemical Geology</i> , 2010, 276, 344-359.	3.3	74
21	Do Cenozoic analogues support a plate tectonic origin for Earth's earliest continental crust?. <i>Geology</i> , 2010, 38, 495-498.	4.4	53
22	Tectonic discrimination of peridotites using $\text{fO}_2$ and Cr# and Ga/Ti/FelII systematics in chrome-spinel. <i>Chemical Geology</i> , 2009, 261, 199-216.	3.3	137
23	Petrochemistry of the south Marmara granitoids, northwest Anatolia, Turkey. <i>International Journal of Earth Sciences</i> , 2008, 97, 1181-1200.	1.8	74
24	Geochemical fingerprinting of oceanic basalts with applications to ophiolite classification and the search for Archaean oceanic crust. <i>Lithos</i> , 2008, 100, 14-48.	1.4	2,568
25	$\text{Ca}^{35}\text{S}$ ophiolite, NW Spain: Suprasubduction zone setting for the youngest Rheic Ocean floor. <i>Geology</i> , 2007, 35, 53.	4.4	93
26	Geochemistry of two associated ophiolites from the Cabo Ortegal Complex (Variscan belt of NW) <i>Tectonophysics</i> , 2007, 447, 107-117.	0.5	17
27	Classification of Altered Volcanic Island Arc Rocks using Immobile Trace Elements: Development of the Th-Co Discrimination Diagram. <i>Journal of Petrology</i> , 2007, 48, 2341-2357.	2.8	688
28	Origin of back-arc basin magmas: Trace element and isotope perspectives. <i>Geophysical Monograph Series</i> , 2006, , 63-86.	0.1	195
29	Magma-crust interactions and magma plumbing in a postcollisional setting: Geochemical evidence from the Erzurum-Kars volcanic plateau, eastern Turkey. , 2006, , .		30
30	Geochemical mapping of the Mariana arc-basin system: Implications for the nature and distribution of subduction components. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	609
31	Petrogenesis of Igneous Enclaves in Plutonic Rocks of the Central Anatolian Crystalline Complex, Turkey. <i>International Geology Review</i> , 2005, 47, 1011-1034.	2.1	34
32	Mantle Preconditioning by Melt Extraction during Flow: Theory and Petrogenetic Implications. <i>Journal of Petrology</i> , 2005, 46, 973-997.	2.8	51
33	Supra-subduction zone ophiolites: The search for modern analogues. , 2003, , .		136
34	Sr-Nd-Pb-Hf Isotope Results from ODP Leg 187: Evidence for Mantle Dynamics of the Australian-Antarctic Discordance and Origin of the Indian MORB Source. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-35.	2.5	138
35	Chlorine in submarine glasses from the Lau Basin: seawater contamination and constraints on the composition of slab-derived fluids. <i>Earth and Planetary Science Letters</i> , 2002, 202, 361-377.	4.4	142
36	U-series Isotope Data on Lau Basin Glasses: the Role of Subduction-related Fluids during Melt Generation in Back-arc Basins. <i>Journal of Petrology</i> , 2001, 42, 1449-1470.	2.8	94

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37	Petrogenetic evolution of late Cenozoic, post-collision volcanism in western Anatolia, Turkey. <i>Journal of Volcanology and Geothermal Research</i> , 2000, 102, 67-95.	2.1	890
38	Geochemistry and tectonic significance of peridotites from the South Sandwich arc-basin system, South Atlantic. <i>Contributions To Mineralogy and Petrology</i> , 2000, 139, 36-53.	3.1	592
39	New insights concerning the influence of water during the formation of podiform chromitite. , 2000, , .		32
40	Causes of spatial compositional variations in Mariana arc lavas: Trace element evidence. <i>Island Arc</i> , 1998, 7, 479-495.	1.1	78
41	Peridotites from the Izu-Bonin-Mariana Forearc (ODP Leg 125): Evidence for Mantle Melting and Melt-Mantle Interaction in a Supra-Subduction Zone Setting. <i>Journal of Petrology</i> , 1998, 39, 1577-1618.	2.8	96
42	$^{238}\text{U}$ – $^{230}\text{Th}$ disequilibria, magma petrogenesis, and flux rates beneath the depleted Tonga-Kermadec island arc. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 4855-4884.	3.9	355
43	Geochemical Variations in Vanuatu Arc Lavas: the Role of Subducted Material and a Variable Mantle Wedge Composition. <i>Journal of Petrology</i> , 1997, 38, 1331-1358.	2.8	59
44	Detailed volcanic geology of the MARNOK area, Mid-Atlantic Ridge north of Kane transform. <i>Geological Society Special Publication</i> , 1996, 118, 61-102.	1.3	29
45	Sources and settings of granitic rocks. <i>Episodes</i> , 1996, 19, 120-125.	1.2	1,289
46	Tectonic Implications of the Composition of Volcanic ARC Magmas. <i>Annual Review of Earth and Planetary Sciences</i> , 1995, 23, 251-285.	11.0	2,292
47	Geochemical Evidence for Subduction Fluxes, Mantle Melting and Fractional Crystallization Beneath the South Sandwich Island Arc. <i>Journal of Petrology</i> , 1995, 36, 1073-1109.	2.8	425
48	Geochemistry of Lau Basin volcanic rocks: influence of ridge segmentation and arc proximity. <i>Geological Society Special Publication</i> , 1994, 81, 53-75.	1.3	119
49	Trace element models for mantle melting: application to volcanic arc petrogenesis. <i>Geological Society Special Publication</i> , 1993, 76, 373-403.	1.3	380
50	Correction to "Upper Cenozoic volcanic rocks in the Mariana Forearc recovered from drilling at Ocean Drilling Programs site 781: Implications for forearc magmatism" by Michael S. Marlow, Lynn E. Johnson, Julian A. Pearce, Patricia B. Fryer, Leda Beth G. Pickthorn, and Bramley J. Murton. <i>Journal of Geophysical Research</i> , 1993, 98, 16081-16081.	3.3	0
51	Upper Cenozoic volcanic rocks in the Mariana Forearc recovered from drilling at Ocean Drilling Program Site 781: Implications for forearc magmatism. <i>Journal of Geophysical Research</i> , 1992, 97, 15085-15097.	3.3	8
52	An element of recycling. <i>Nature</i> , 1992, 360, 629-630.	27.8	2
53	Ocean floor comes ashore. <i>Nature</i> , 1991, 354, 110-111.	27.8	25
54	Genesis of collision volcanism in Eastern Anatolia, Turkey. <i>Journal of Volcanology and Geothermal Research</i> , 1990, 44, 189-229.	2.1	623

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55	An expert system for the tectonic characterization of ancient volcanic rocks. <i>Journal of Volcanology and Geothermal Research</i> , 1987, 32, 51-65.	2.1	42
56	Geochemical characteristics of collision-zone magmatism. <i>Geological Society Special Publication</i> , 1986, 19, 67-81.	1.3	822
57	Trace Element Discrimination Diagrams for the Tectonic Interpretation of Granitic Rocks. <i>Journal of Petrology</i> , 1984, 25, 956-983.	2.8	6,796
58	Geochemical evidence for the geotectonic setting of early Proterozoic metavolcanic sequences in Lapland. <i>Precambrian Research</i> , 1984, 25, 283-308.	2.7	70
59	Assimilation and partial melting of continental crust: evidence from the mineralogy and geochemistry of autoliths and xenoliths. <i>Lithos</i> , 1983, 16, 185-202.	1.4	60
60	Petrogenetic modelling of in situ fractional crystallization in the zoned Loch Doon pluton, Scotland. <i>Contributions To Mineralogy and Petrology</i> , 1981, 78, 196-207.	3.1	113
61	Petrogenetic implications of Ti, Zr, Y, and Nb variations in volcanic rocks. <i>Contributions To Mineralogy and Petrology</i> , 1979, 69, 33-47.	3.1	2,414
62	Clinopyroxene composition in mafic lavas from different tectonic settings. <i>Contributions To Mineralogy and Petrology</i> , 1977, 63, 149-160.	3.1	330
63	Basalt geochemistry used to investigate past tectonic environments on Cyprus. <i>Tectonophysics</i> , 1975, 25, 41-67.	2.2	523
64	Tectonic setting of basic volcanic rocks determined using trace element analyses. <i>Earth and Planetary Science Letters</i> , 1973, 19, 290-300.	4.4	2,955